AMENDMENTS TO THE CLAIMS

1-12. **(Canceled)**

13. **(Currently amended)** A method for selectively protecting non-transformed biological cells over transformed biological cells from cell damage induced by non-ultraviolet radiation ~~cell damaging factors,~~ comprising:

administering phosphotyrosine to a patient ~~human or animal~~ in need thereof before, during or after exposure to said ~~cell damaging factors, said cell damaging factors being selected from the group consisting of:~~ non-ultraviolet radiation, ~~and chemicals,~~ wherein said non-transformed biological cells are selectively protected from cell damage as compared to said transformed biological cells.

14. **(Currently amended)** The method of Claim 13, wherein said radiation is ionizing radiation~~, and wherein said chemicals are cytostatic agents~~.

15. **(Currently amended)** The method of Claim 13, wherein the phosphotyrosine is administered to ~~said biological material is~~ skin.

16. **(Currently amended)** The method of Claim 13, wherein said patient ~~biological material~~ is a tumor patient subjected to a radiation therapy.

17. **(Currently amended)** The method of Claim 13, wherein said patient ~~biological material~~ is a tumor patient further subjected to a chemotherapy.

18-20. (**Canceled**)

21. (**Currently amended**) A method of selectively protecting non-transformed biological cells over transformed biological cells during cytotoxic treatment of said transformed cells, comprising:

administering phosphotyrosine to a patient ~~human or animal~~ in need thereof; and

exposing said patient ~~human or animal~~ to ~~said~~ cytotoxic, non-ultraviolet radiotherapy treatment, wherein said non-transformed biological cells are selectively protected from cell damage as compared to said transformed cells.

22. (**Currently amended**) The method of Claim 21, wherein said treatment further comprises ~~is~~ chemotherapy for said transformed cells.

23. (**Canceled**)